

A6 3D Printer Installation Instruction





























Introduction















Attention:















1. Please make sure the package not broken when you receive it.
2. Please check the printer parts according to the packing list.
3. Please contact your supplier if any questions.


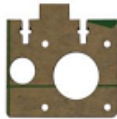










Tool List

Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
1-1		Main support plate	1		2-1		Mainboard	1	
1-2		Side support plate	2		2-2		12864 LCD Screen	1	
1-3		Back plate	1		2-3		Hot bed fixed aluminum plate	1	
1-4		Front plate	1		2-4		220mm*220mm*3mm Hot bed	1	
1-5		Filament support plate	2		2-5		Plastic nippers	1	
1-6		Filament support plate connecting plate	1		2-6		5mm*160mm Screwdriver	1	

Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
1-7		Mainboard baffle	1		2-7		Three parts below in this bag	1	
2-23		Guide rod 418mm 2pcs Guide rod 380mm 2pcs Guide rod 340mm 2pcs	6		2-7-1		Wire 70CM	1	
2-24		T type lead screw M8*318mm 2pcs Threaded rod M8*400mm 2pcs Threaded rod M8*150mm 1pcs	5		2-7-2		Z axis Limit switch A 20CM Y axis Limit switch B 50CM X axis Limit switch C 90CM	3	
2-25		Screw bag include below screws			2-7-3		Pillar washer M3*7 4pcs Pillar washer M3*15 4pcs	8	
2-25-1		M3*18 screw 44个			2-8		Three parts below in this bag	1	
2-25-2		M3 Nut 58个	1		2-8-1		3mm*130mm Screwdriver	1	
2-25-3		M8 Nut 18个 M8 Spacer 12个	1		2-8-2		Hex wrench M1.5 Hex wrench M2 Hex wrench M2.5 Hex wrench M3	4	

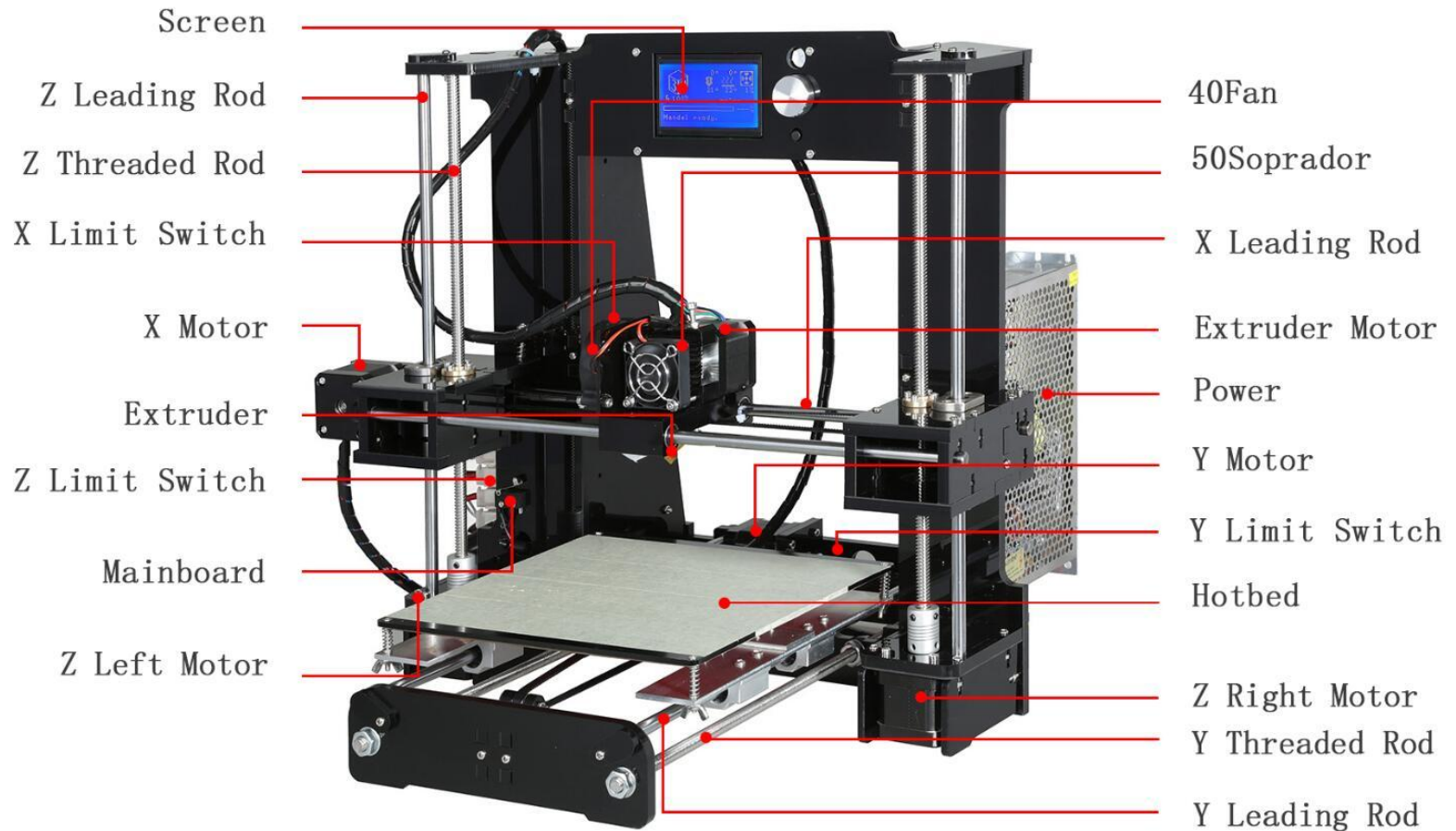
Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
2-25-4		M4*8 screw 16个 M4*14 screw 4个	1		2-8-3		Open spanner	1	
2-25-5		M3*30 screw 12个	1		2-9		5015 Air blower	1	
2-25-6		M3*12 screw 19个	1		2-10		Power line of hot bed	1	
2-25-7		M2*12 screw 6个 M3wing nut 4个 Spring 4个	1		2-11		Five parts below in this bag	1	
2-25-8		M3*6 screw 2个 M3*10 screw 2个 M3*25 screw 2个	1		2-11-1		Y axis belt fixation clamp	2	
3-1		Left Z axis nut support	1		2-11-2		Guide rod back up plate	8	
3-2		Right Z axis nut support	1		2-11-3		Y axis Limit switch fixed plate	1	

Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
3-3		Extruder	1		2-11-4		Y axis motor support	1	
3-4		X axis motor	1		2-11-5		X axis Limit switch fixed plate	1	
3-5		Y axis motor	1		2-12		Z axis motor support Plate	4	
3-6		Z axis motor	2		2-13		Screen baffle plate	1	
3-7		1.6M Belt	1		2-14		5015 Air blower fixed plate	1	
3-8		1.5M USB wire	1		2-15		Z axis motor fixed plate	2	
3-9		Four parts below in this bag	1		2-16		Support plate lock plate	2	

Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
3-9-1		4.5M Winding pipe	1		2-17		Y axis motor fixed plate	1	
3-9-2		Belting	10		2-18		Y axis belt bearing support	1	
3-9-3		R clip	3		2-19		Wind mouth	1	
3-9-4		Locating piece	2		2-20		1.5M Power line	1	
3-10		Linear bearing	4		2-21		16GB TF card and card reader	1	
3-11		Power Supply	1		2-22		X Motor line 40CM Y Motor line 40CM Left Z Motor line 40CM Right Z Motor line 90CM Extruder Motor line 90CM	5	

Please check printer parts quantity when you receive it .

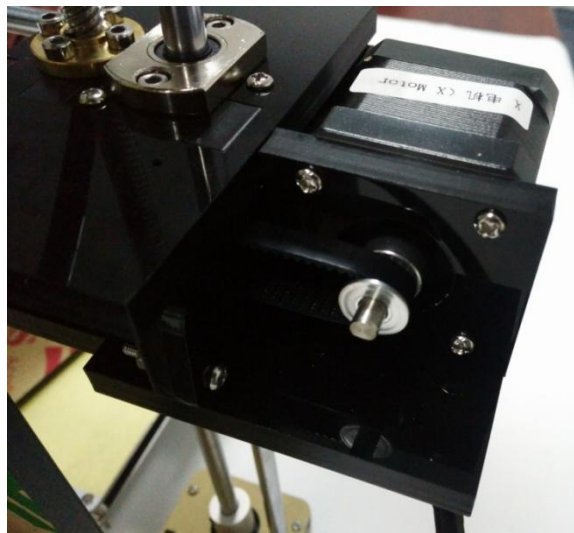
Components Name



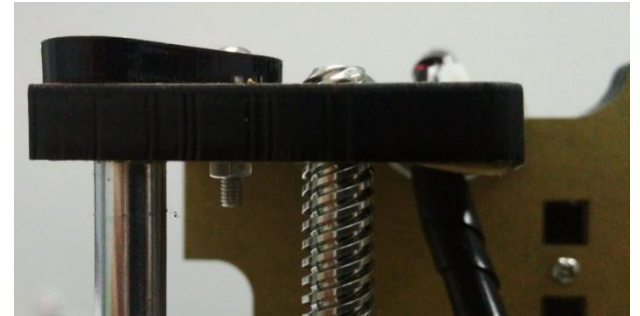
Acrylic Installation



Acrylic Connection

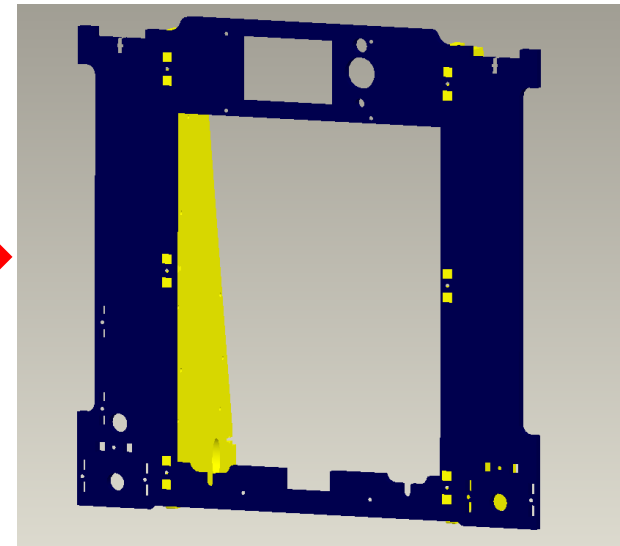
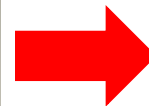
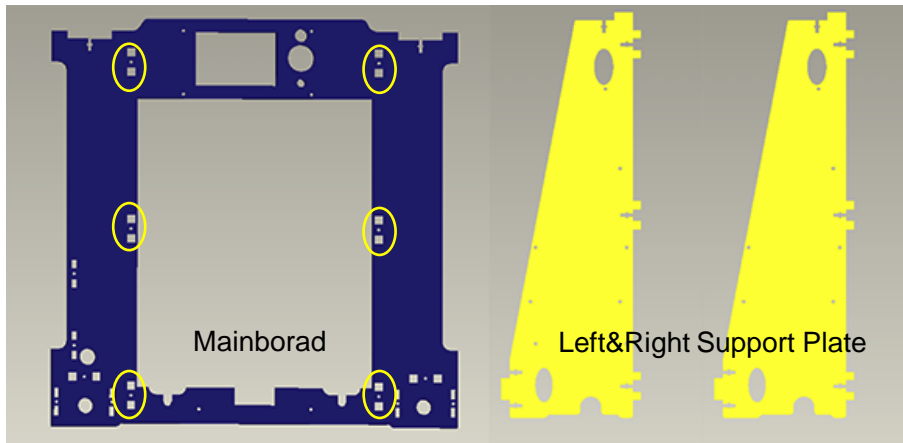


Acrylic & Motor Connection



Acrylic Connection

Name	QTY	Note
Main Support Plate	1	
Left&Right Support Plate	2	
M3*18mm Screw	6	○
M3 Nut	6	

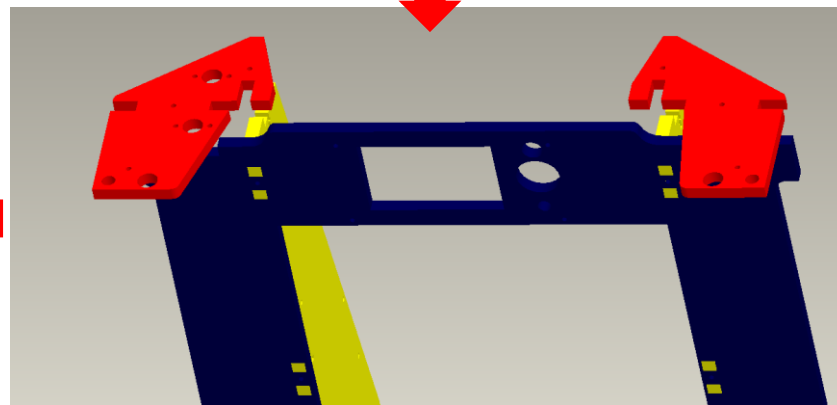
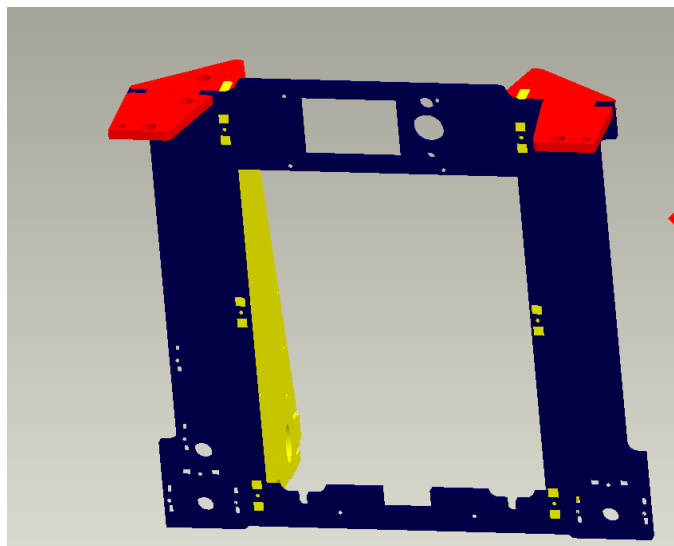
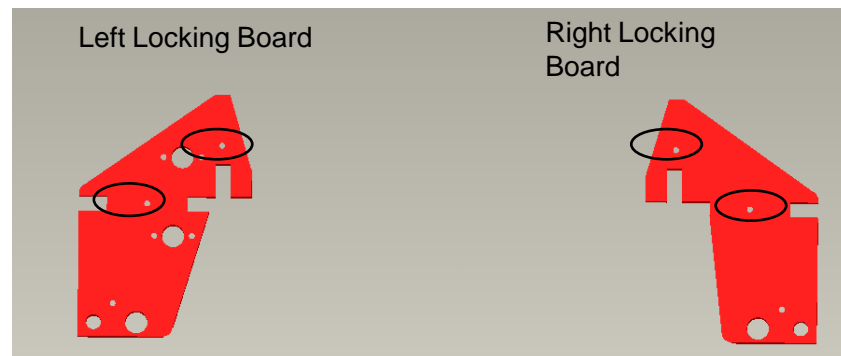


Please pay attention to the direction of main support plate

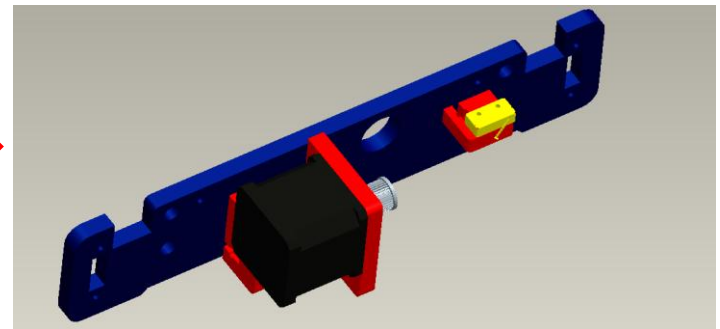
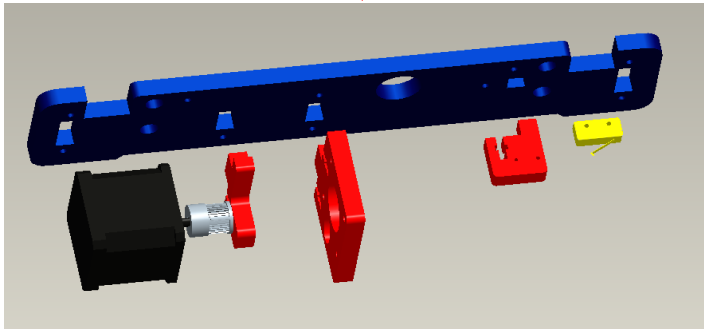
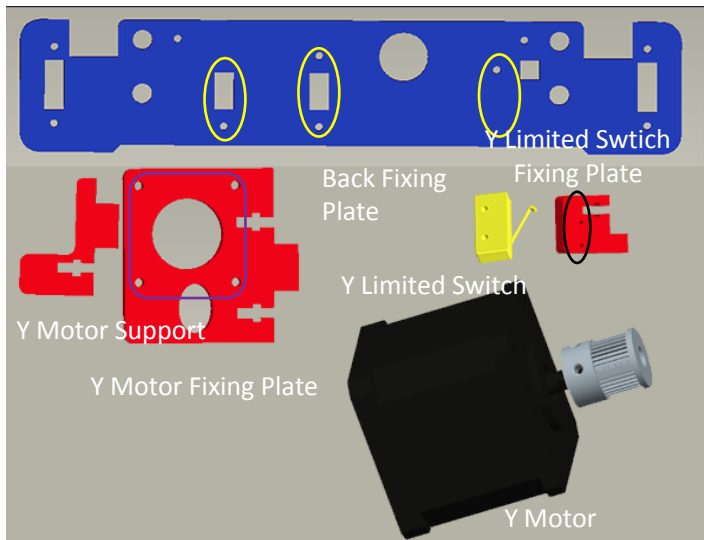
Left&Right Locking Board Installation

02

Name	QTY	Note
Left Locking Board	1	
Right Locking Board	1	
M3*18 Screw	4	
M3 Nut	4	



Please pay attention to the direction of Left&Right board



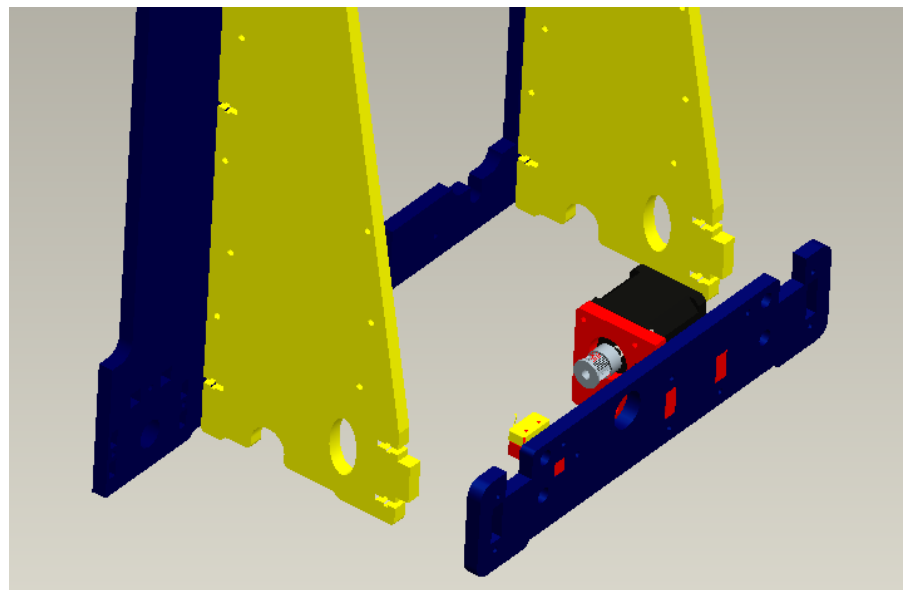
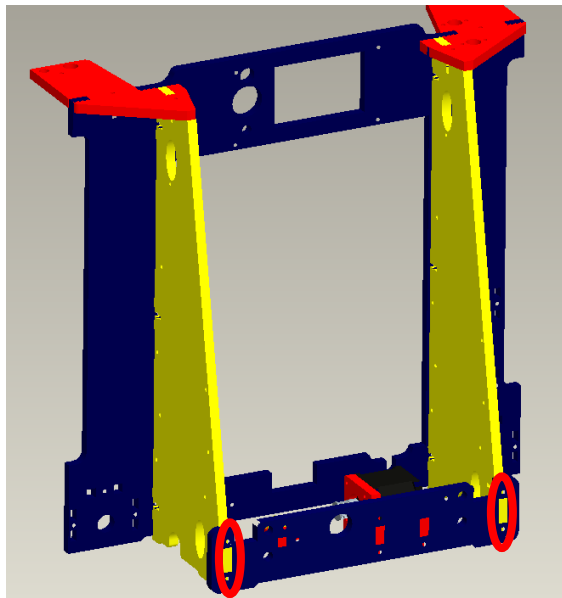
Name	QTY	Note	Name	QTY	Note
Back Fixing Plate	1		Y Limited Switch	1	
Y Motor Fixing Plate	1		M2 Screw	2	
Y Motor Support	1		M3*18 Screw	4	
Y Limited Switch Fixing Plate	1		M3 Nut	4	
Y Motor	1		M3*12 Screw	4	

Please pay attention to the direction of motor and Fixing plate

Back Fixing Plate Installation

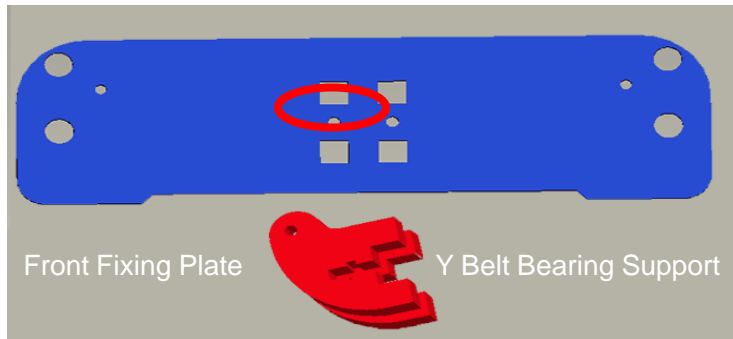
04

Name	QTY	Note
M3*18 Screw	4	0
M3 Nut	4	

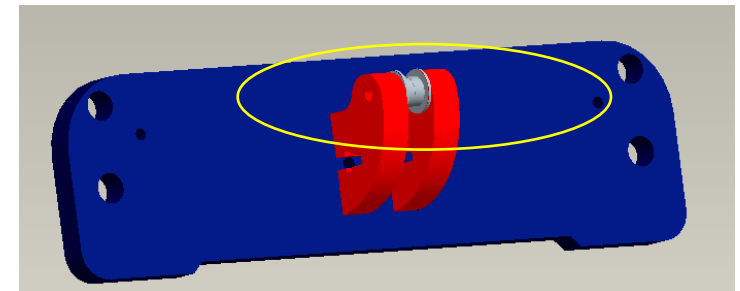
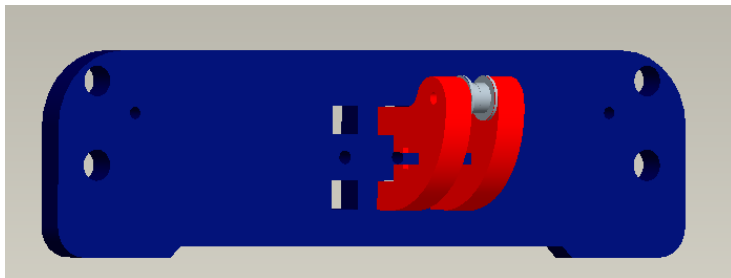


05

Front Fixing Plate Installation



Name	QTY	Note
Front Fixing Plate	1	
Y Belt Bearing Support	1	
M3*18 Screw	2	
M3Nut	2	

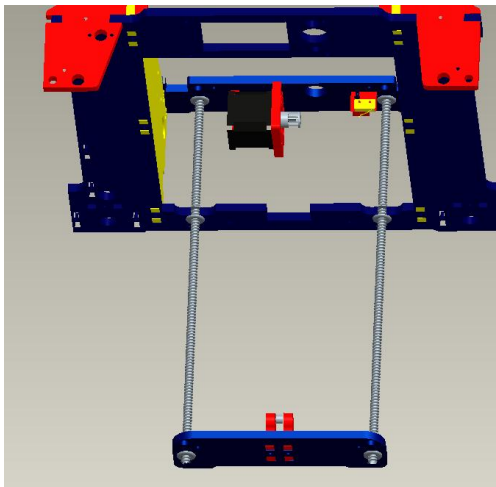
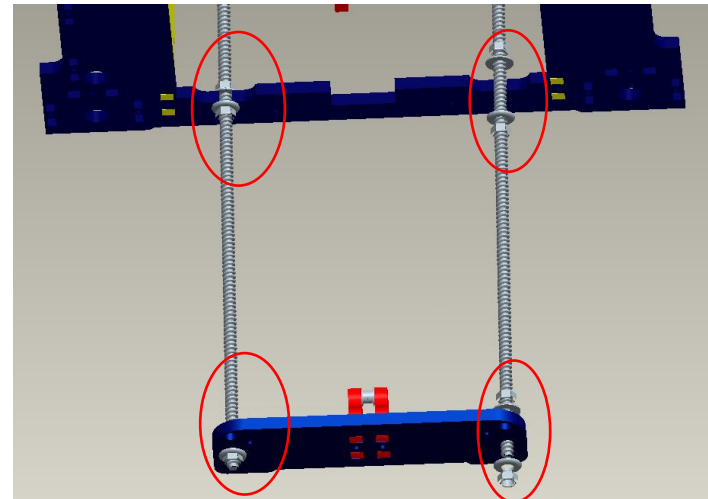
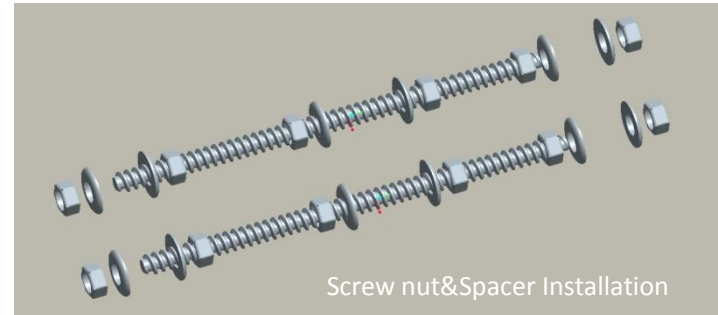


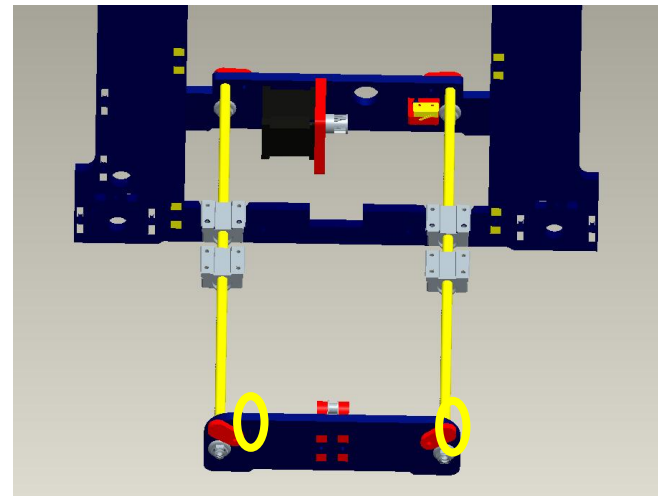
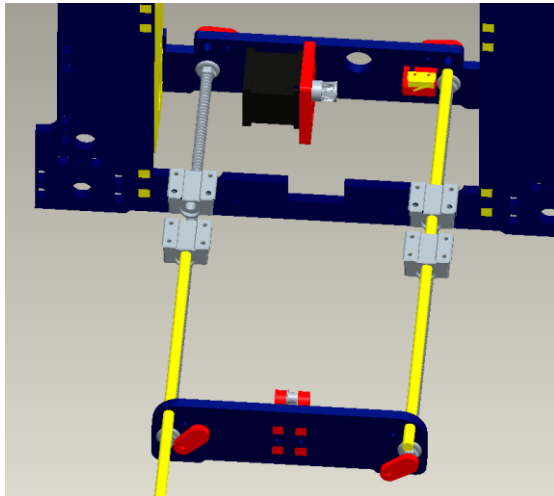
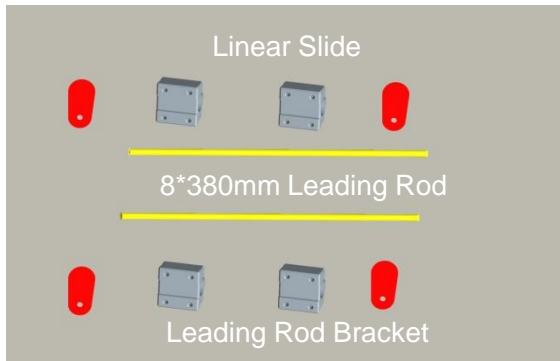
Attention: The belt bearing up

Front Fixing Plate Installation

06

Name	QTY	Note
M8*400 Threaded Rod	2	
M8 Nut	12	
M8 Spacer	12	



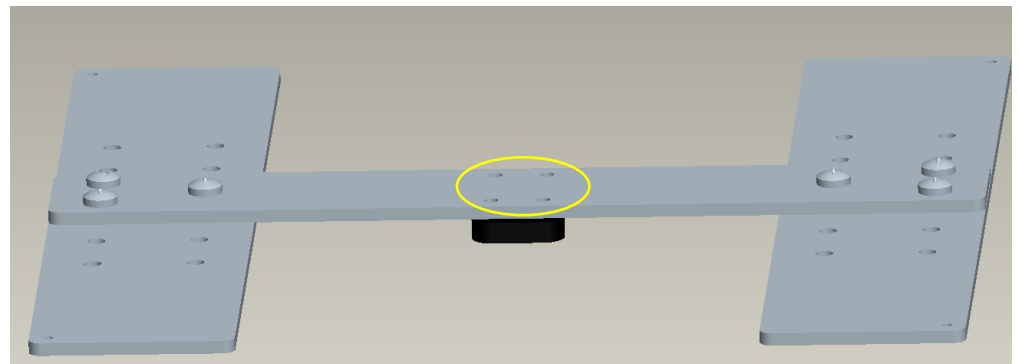
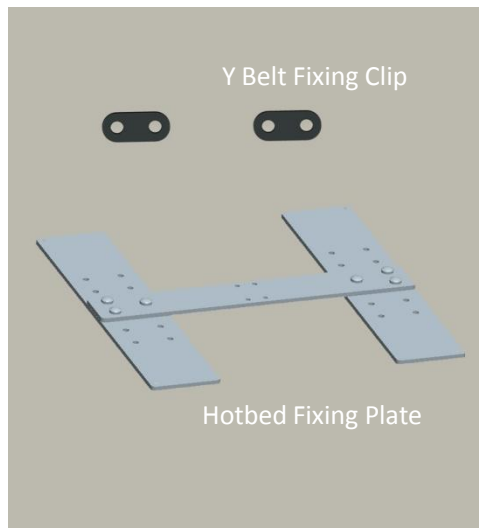


Name	QTY	Note
8*380mm Leading Rod	2	
Linear Slide	4	
Leading Rod Bracket	4	
M3*18 Screw	4	0
M3 Nut	4	

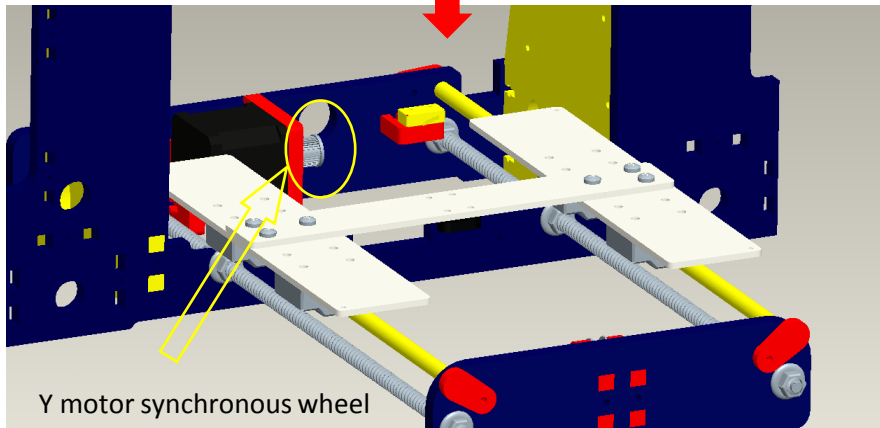
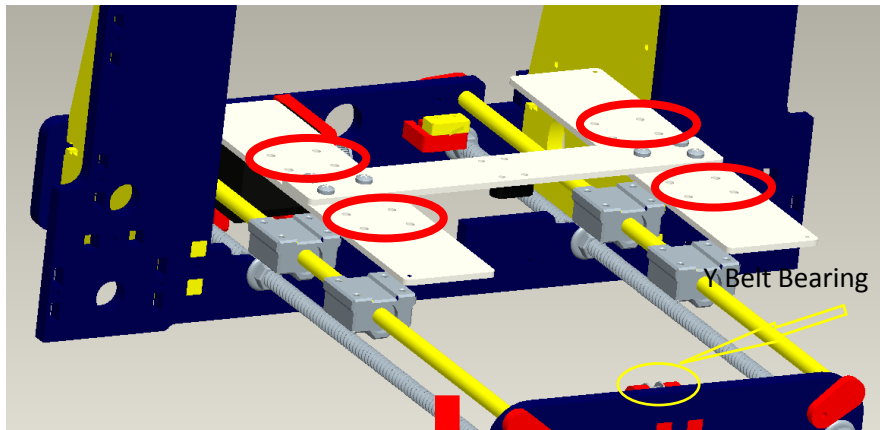
Hotbed Fixing Plate Installation

08

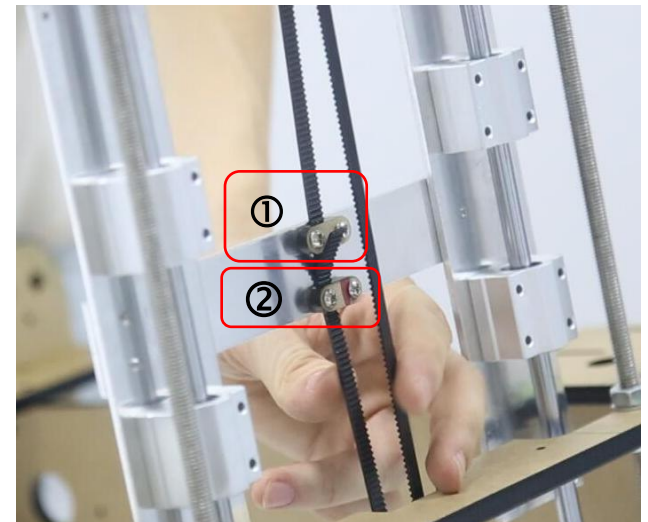
Name	QTY	Note
Y Belt Fixing Clip	2	
Hotbed Fixing Plate	1	
M4*14 Screw	4	



Attention: Leave some gap for screw for belt installation



Name	QTY	Note
M4*8 Screw	16	

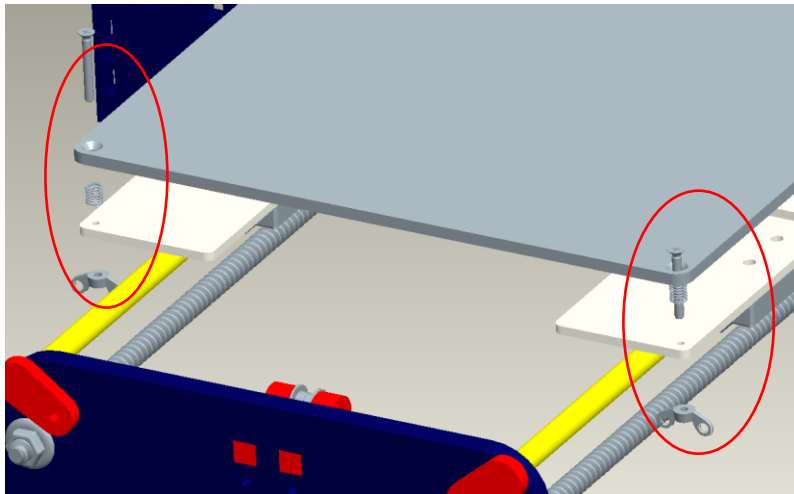


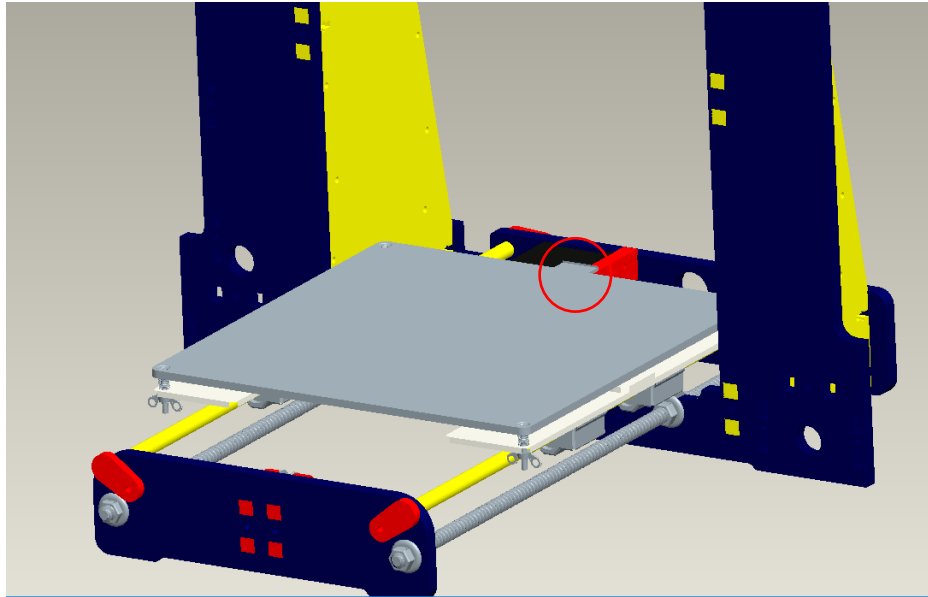
Fixate one end of the belt on ① , pass belt through Y motor syn chronous wheel , through Y belt bearing and fixate on ② (Meanwhile tension belt)

Hotbed Installation

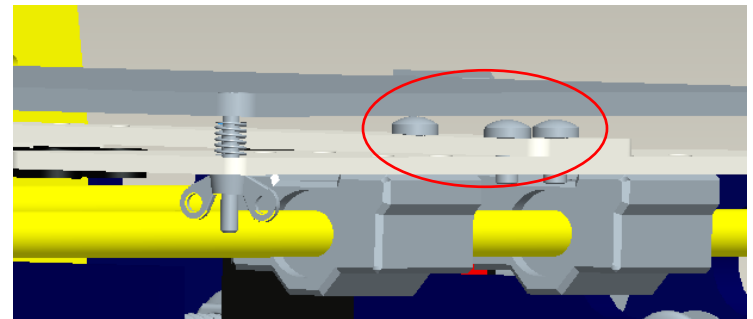
10

Name	QTY	Note
220mm*220mm*3mm Aluminum Hotbed	1	
M3*30 Screw	4	
Butterfly Nut	4	
Spring	4	

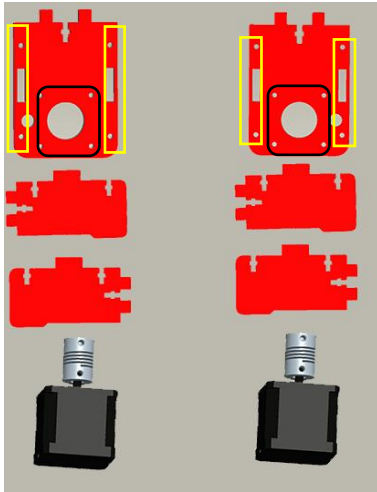






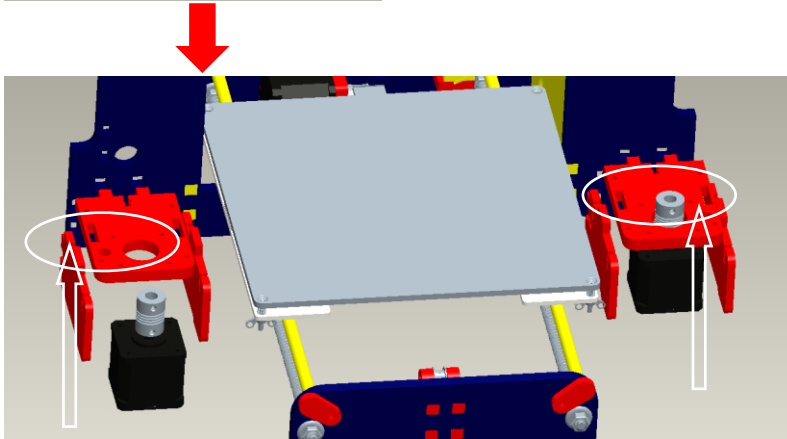
The connection head should go towards Y motor direction



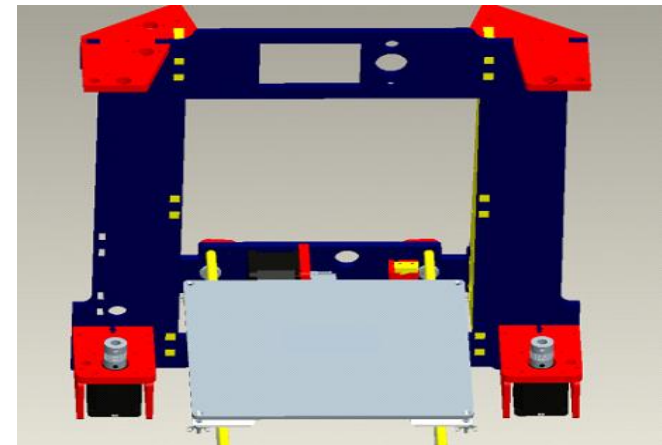
The gap between hotbed&hotbed fixing plate screw is about 3mm



Name	QTY	Note	Name	QTY	Note
Left&Right Z Motor Fixing Plate	2		M3*18 Screw	14	
Z Motor Support	4		M3 Nut	14	
Z Motor	2		M3*12 Screw	8	

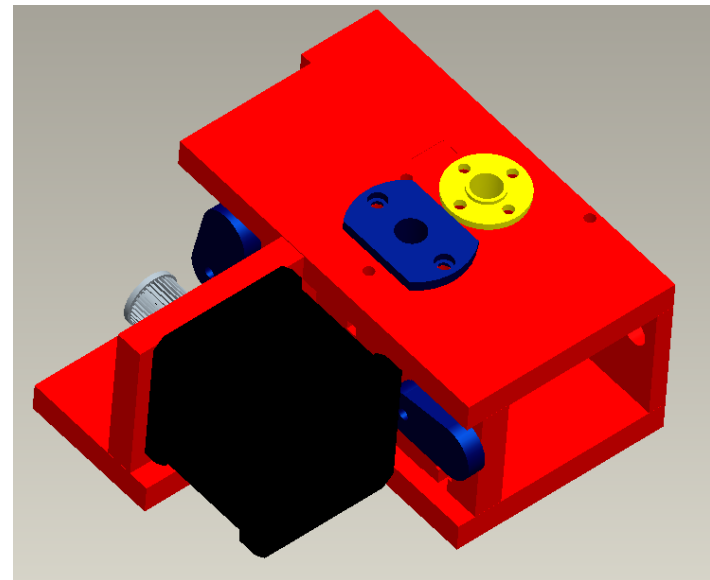
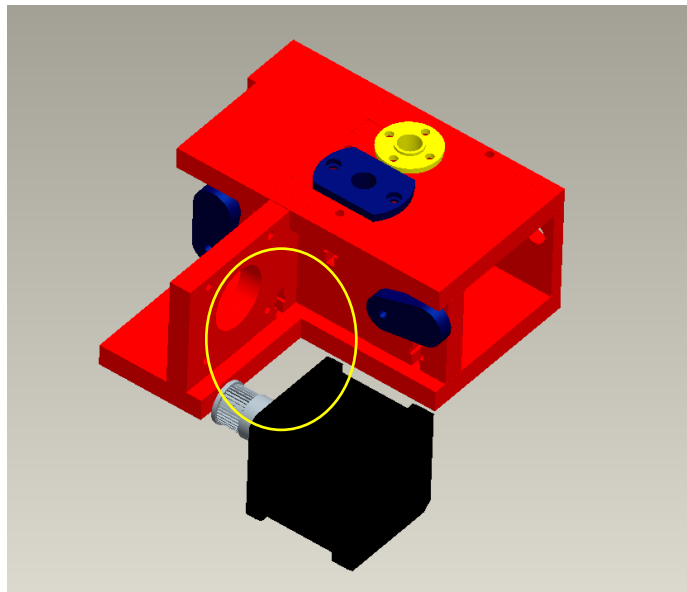


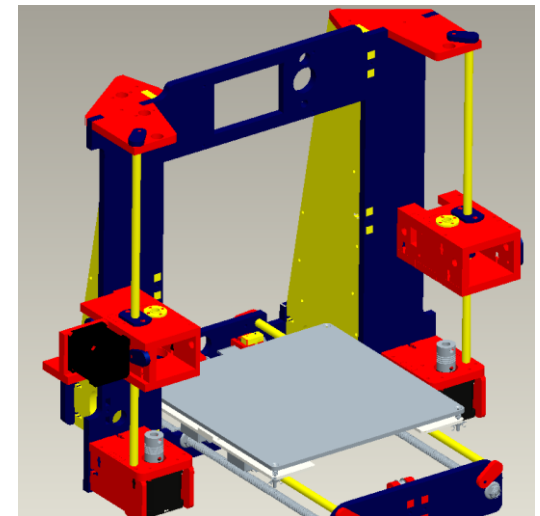
The Small hole should face outward



Left Z Threaded Rod Screw Nut Support Installation 12

Name	QTY	Note
Left Z Threaded Rod Screw Nut Support	1	
X Motor	1	
M3*12 Screw	4	

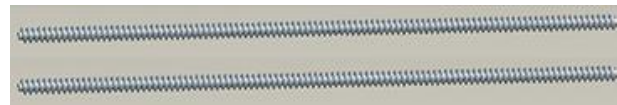




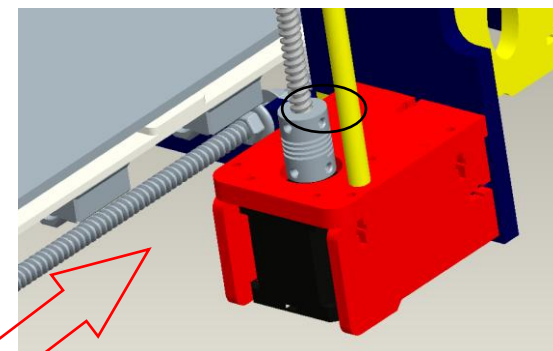
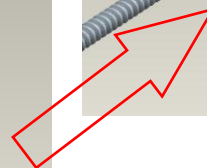
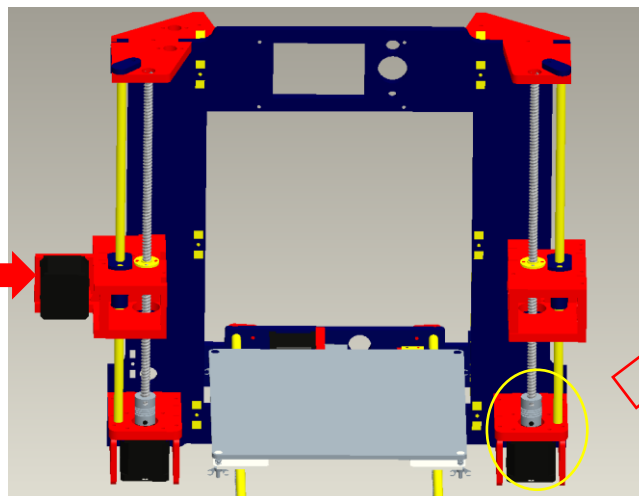
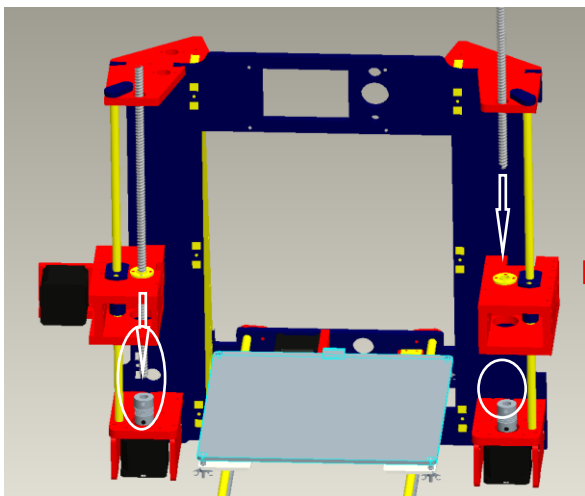
T Threaded Rod Installation

14

Name	QTY	Note
Threaded Rod M8*318mm	2	

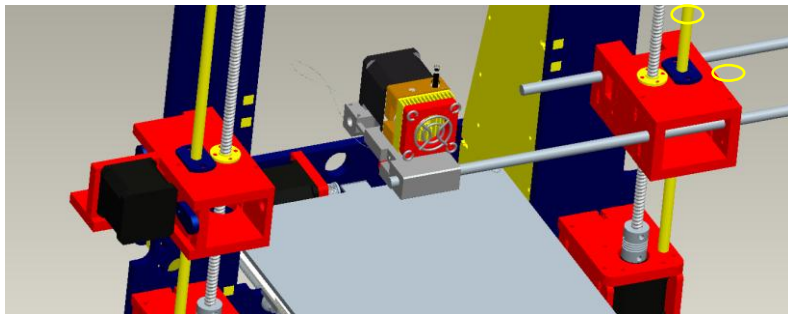
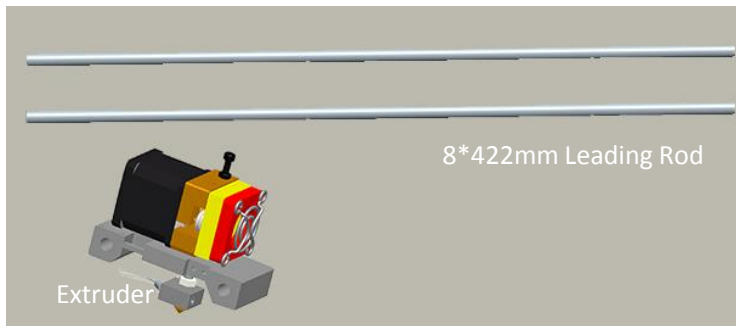


Threaded Rod M8*318mm

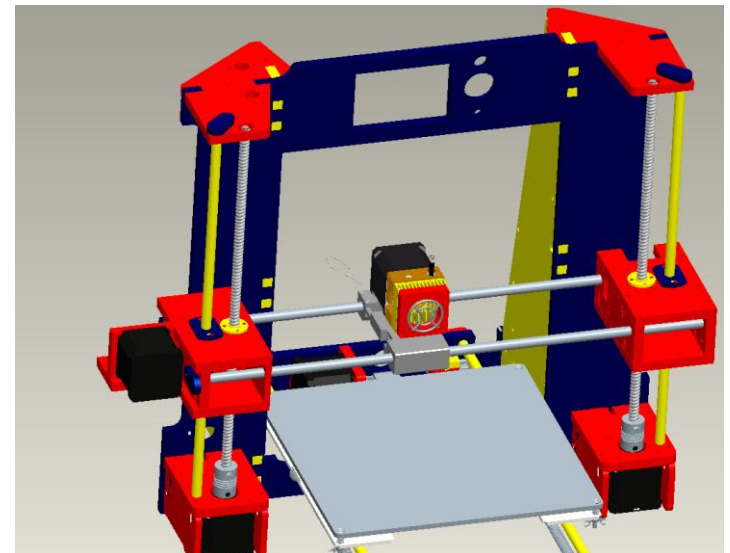


Loose set screw , install threaded rod
and then tighten it .

Threaded Rod Installation





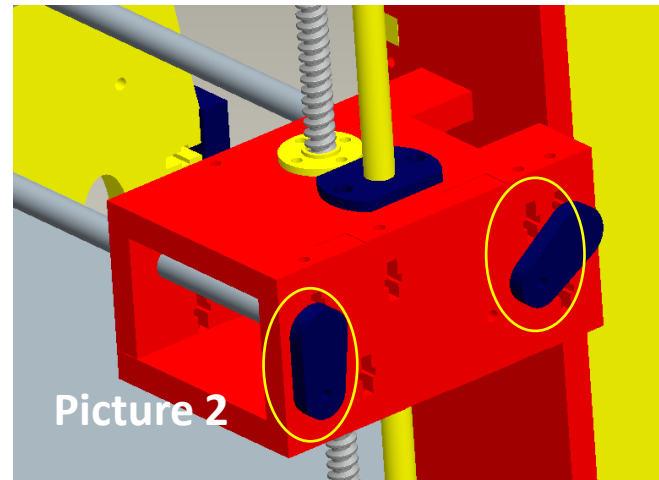
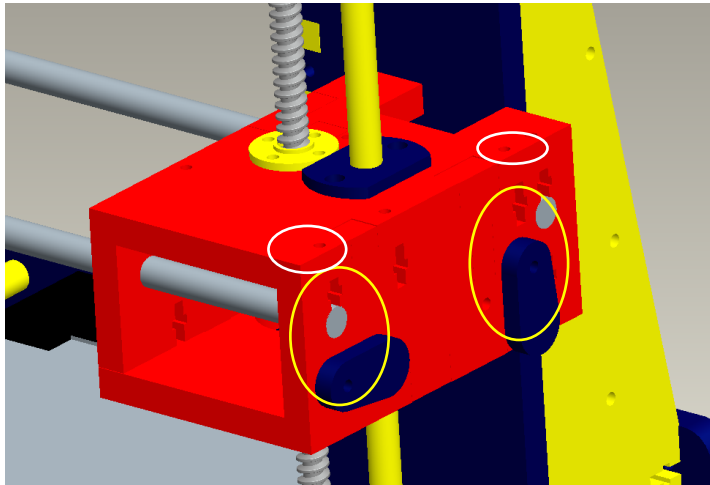
Loose M3 screw to install leading rod

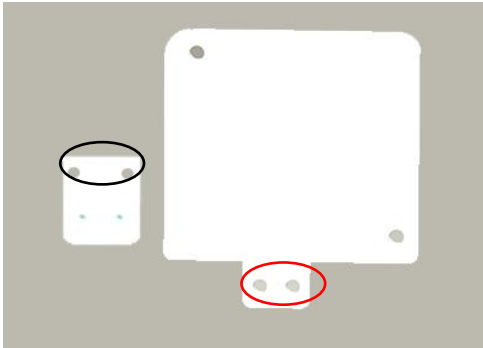


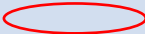
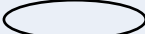
X Leading Rod Bracket Installation

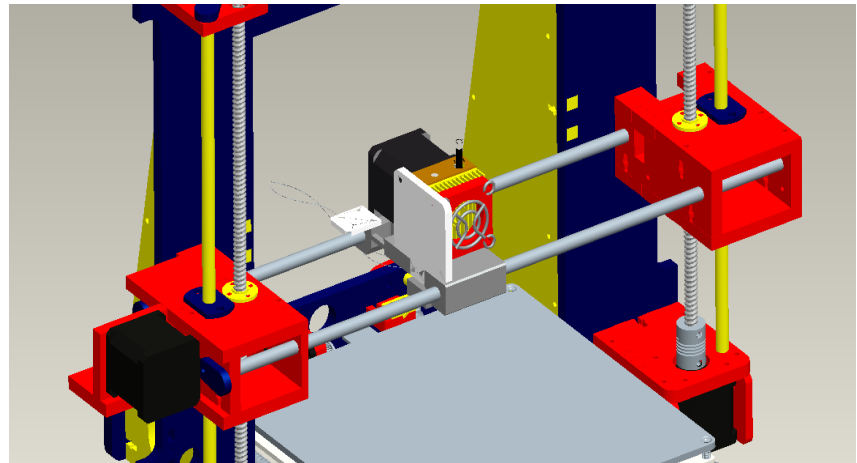
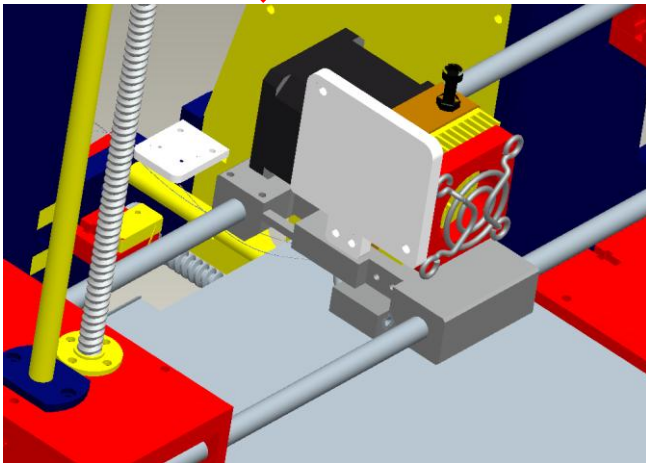
16

Position	Note
	Tighten the screw in white circle
	Pay attention to the bracket , fixate bracket when it turns to picture 2




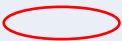


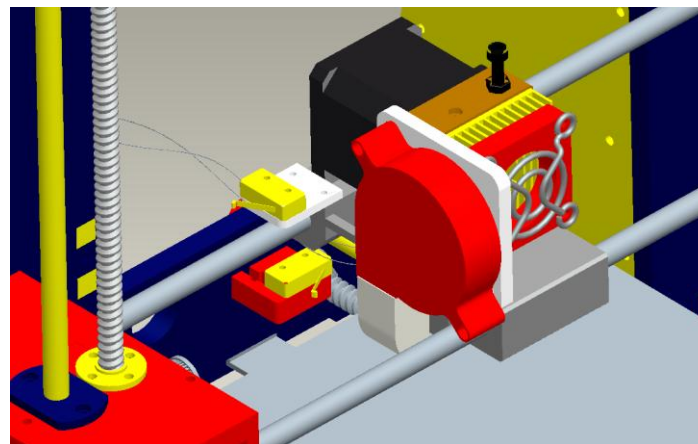
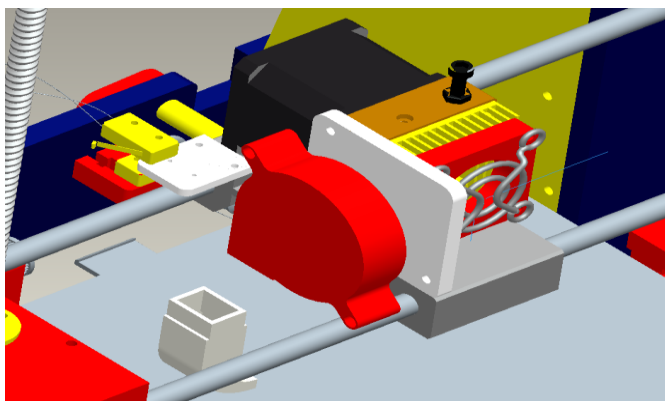
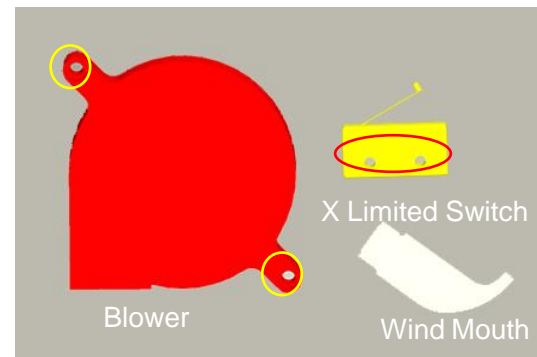
Name	QTY	Note
X Limited Switch Support	1	
Blower Support	1	
M3*10 Screw	2	
M3*6 Screw	2	

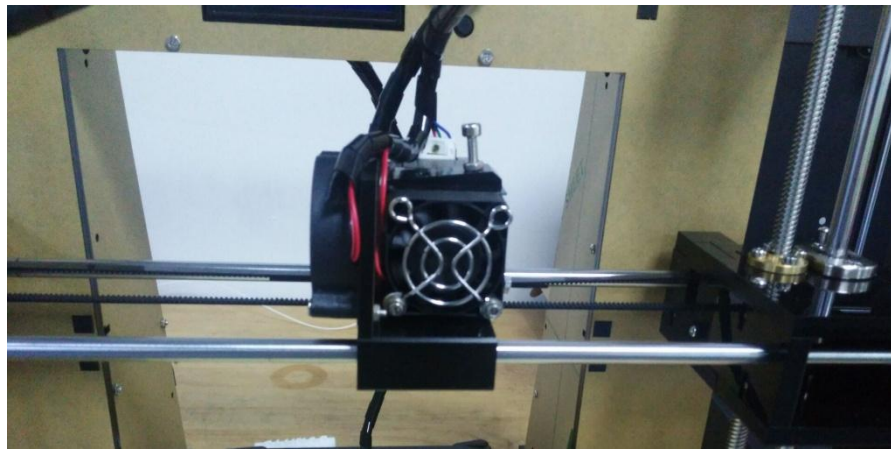
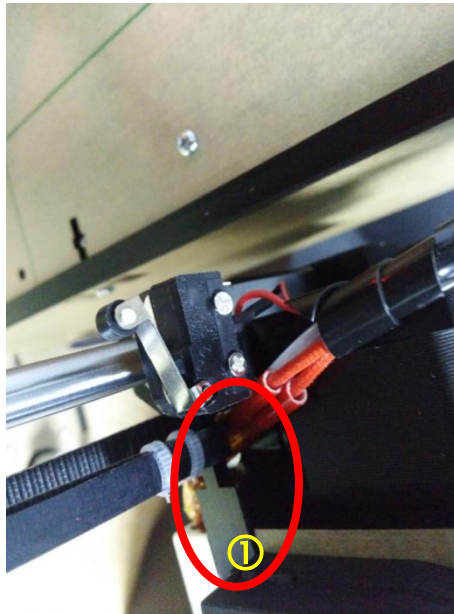


Blower & Limited Switch Installation

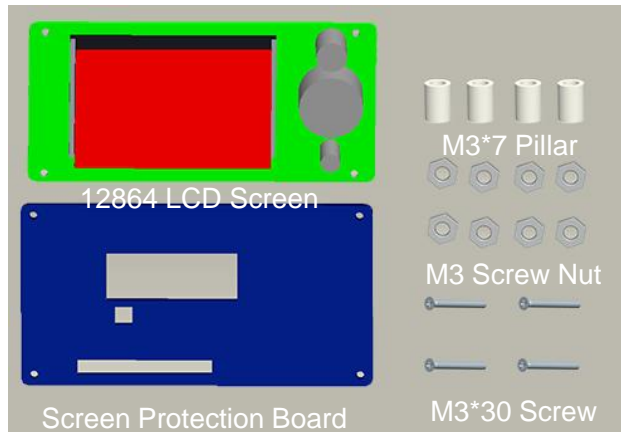
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Name	QTY	Note
X Limited Switch	1	
Wind Mouth	1	
Blower	1	
M3*25 Screw	2	
M3 Nut	2	
M2 Self-tapping Screws	2	

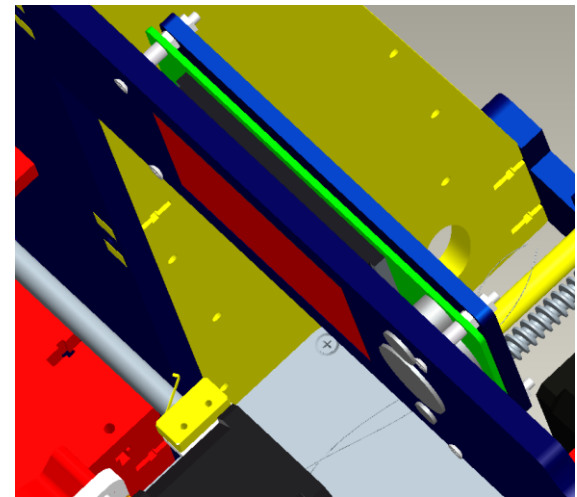
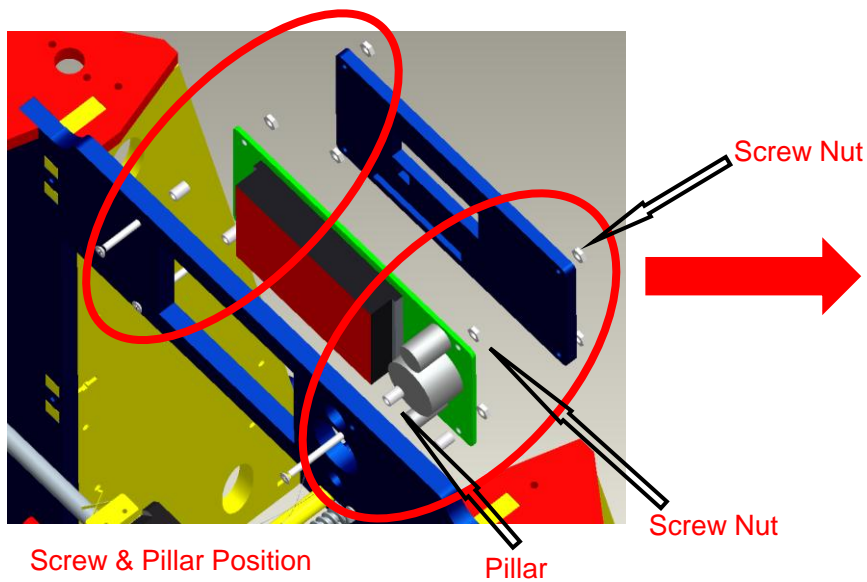




**Fixate belt in ① , Pass belt through
X motor Synchronous wheel and
belt bearing , then pass ② , tension
belt and lock**




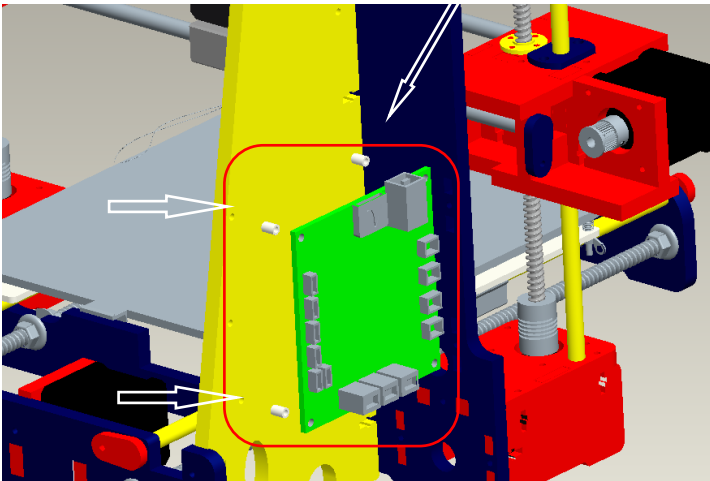
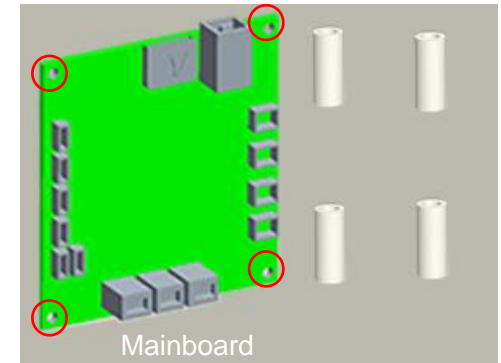
Name	QTY	Note
12864 LCD Screen	1	
Screen Protection Board	1	
M3*7 Pillar	4	0
M3*30 Screw	4	
M3 Nut	8	



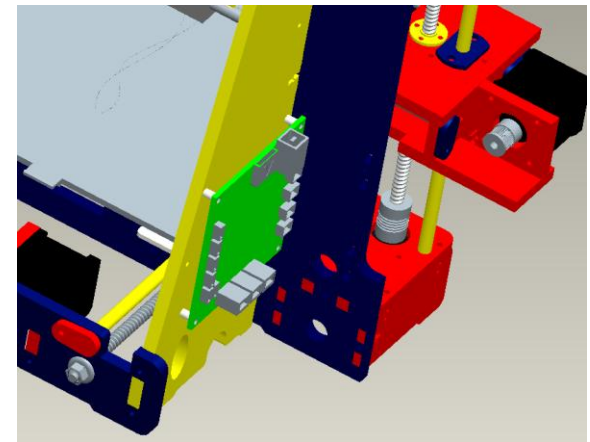
Mainboard Installation

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Name	QTY	Note
Mainboard	1	
M3*15 Pillar	4	
M3*25 Screw	4	
M3 Nut	4	

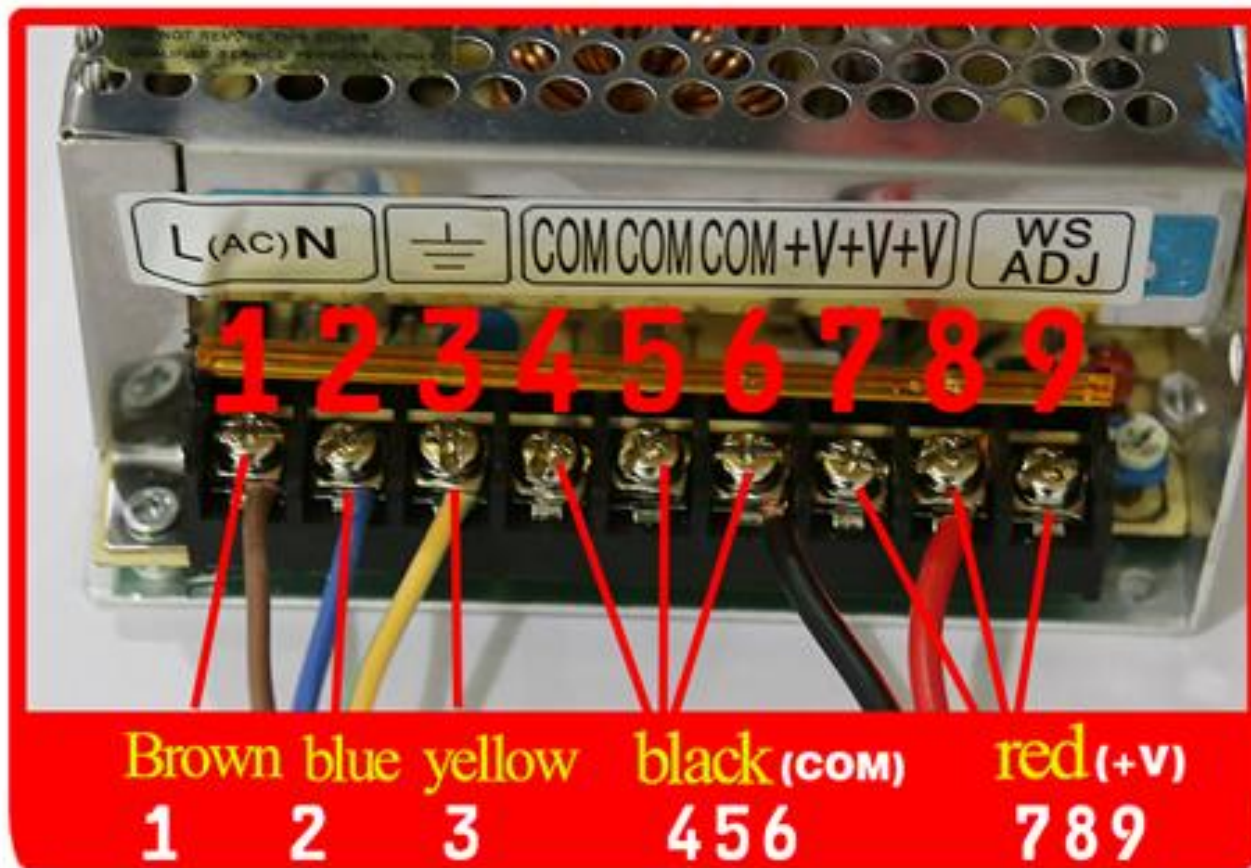


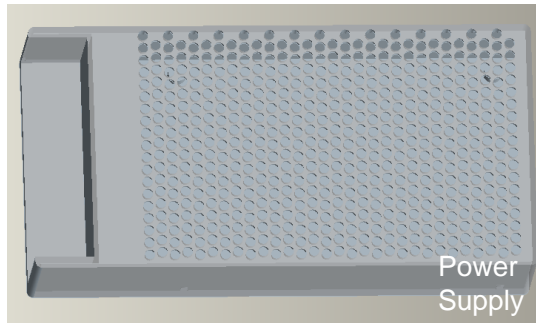
Please Install in the recommended hole



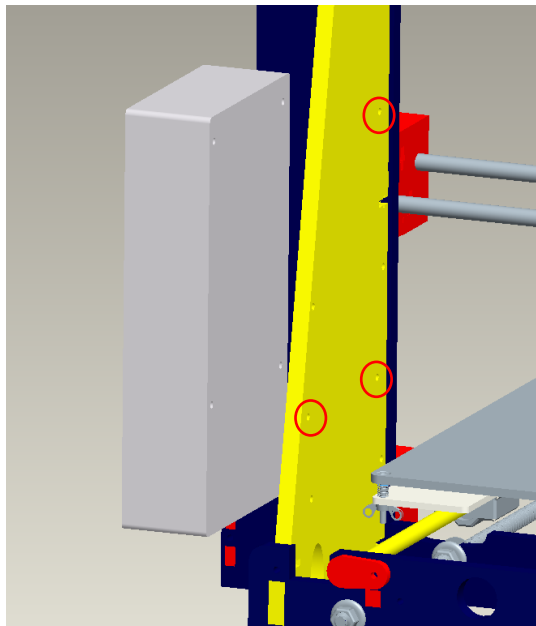
Please install mainboard aside of the left Z threaded rod support

Attention This is the wiring diagram of power supply. 1, 2, 3 separately represent the line of fire (brown), Zero line (blue), ground wire (yellow). 4, 5, 6 represent negative pole (black) (-); 7, 8, 9 represent the positive pole (red) (+). To avoid danger, please assure the installation is correct.

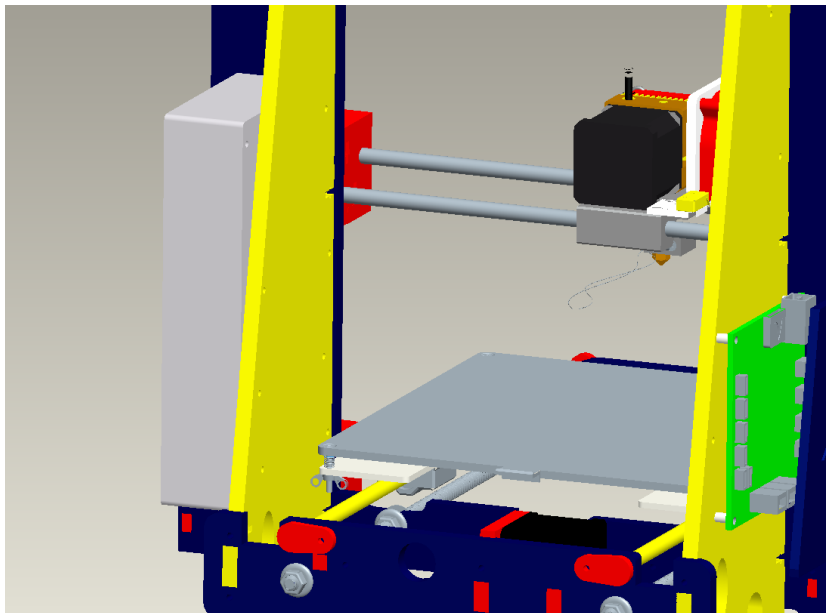





Name	QTY	Note
Power Supply	1	
M3*12 Screw	3	

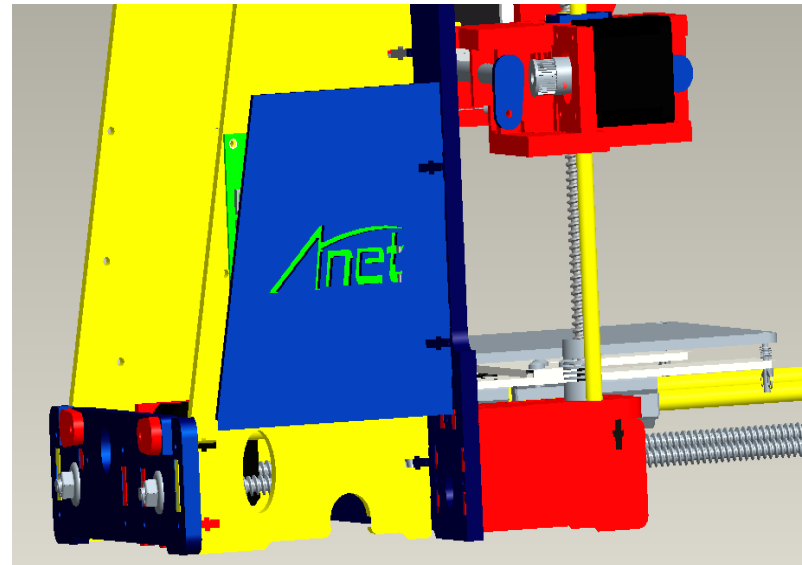
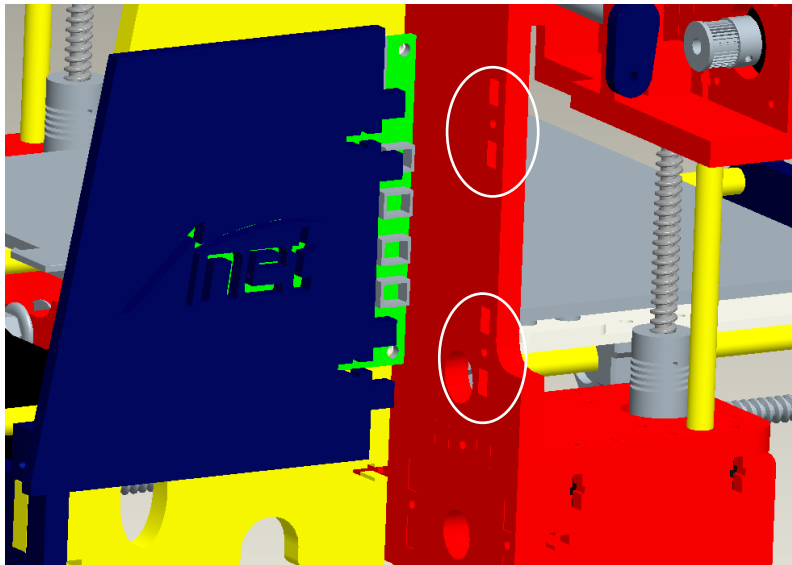


Please Install power supply in the recommended hole

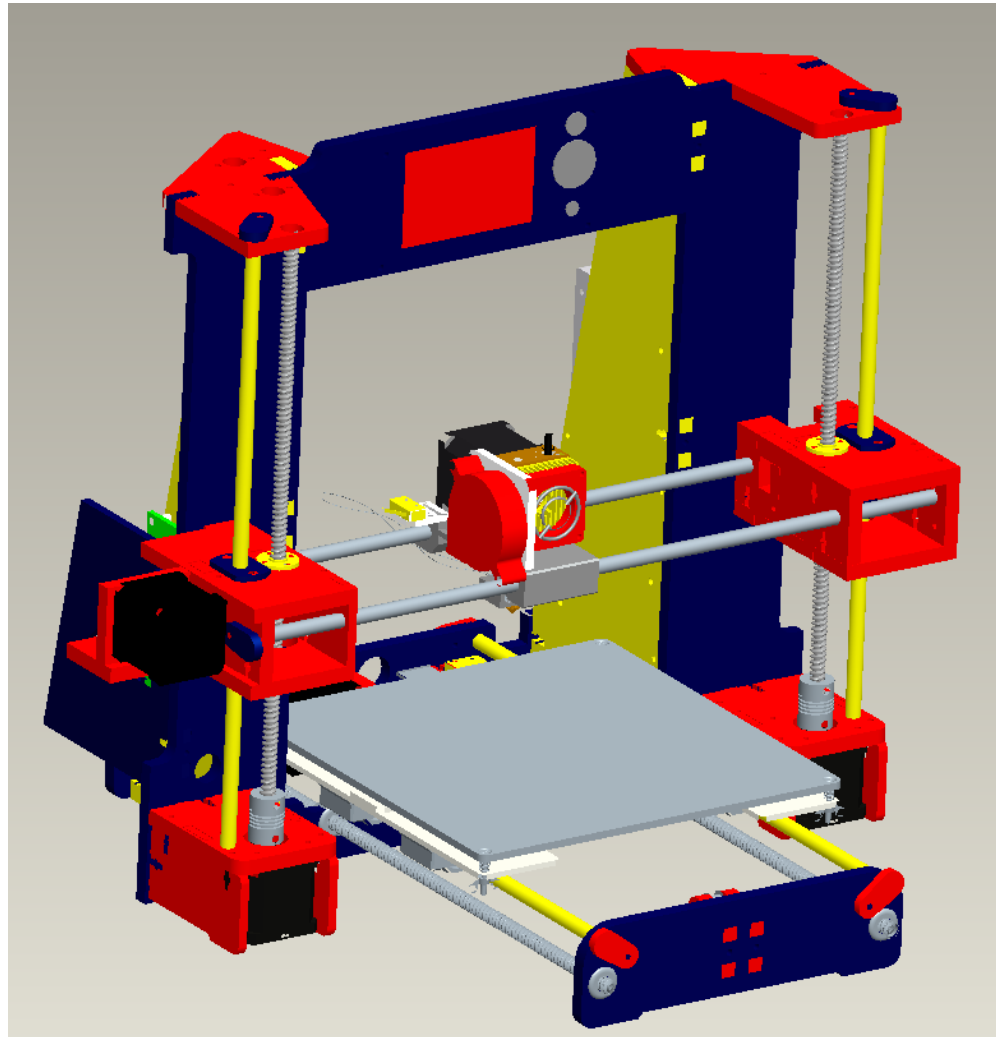


Name	QTY	Note
Mainboard Protection Board	1	
M3*18 Screw	2	
M3 Nut	2	

Please ensure you have connected all wires right before mainboard protection board installation



Finished Map

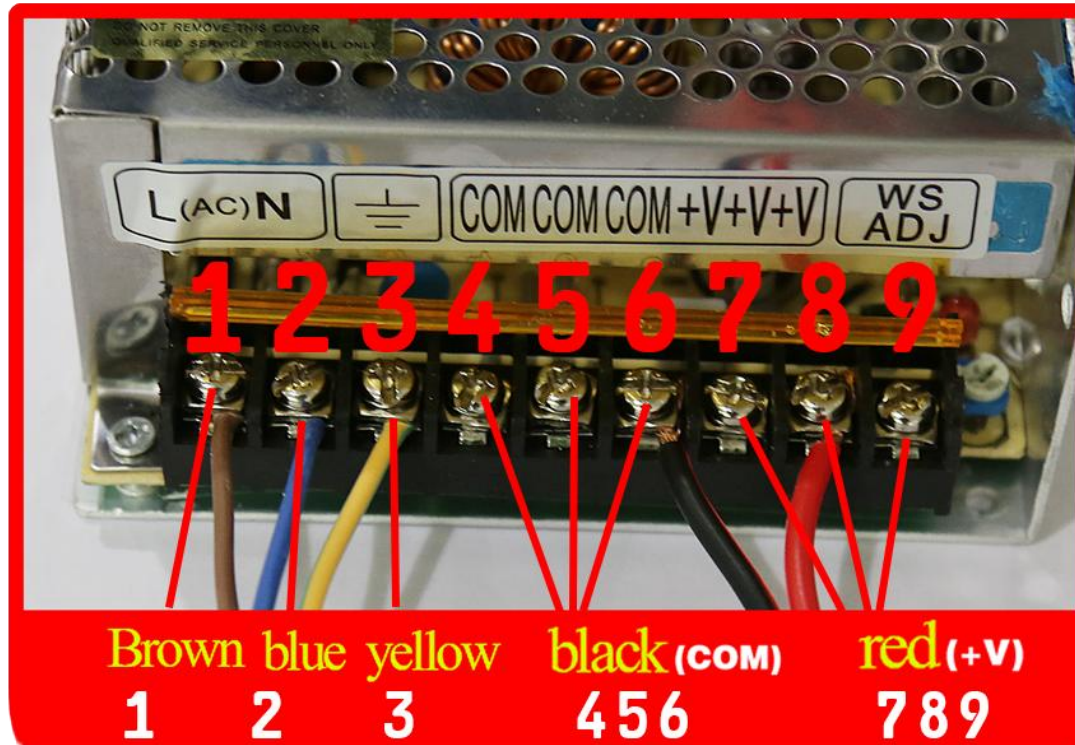


Attention: Please link components with corresponding wires , especially motor wire & limited switch wire.

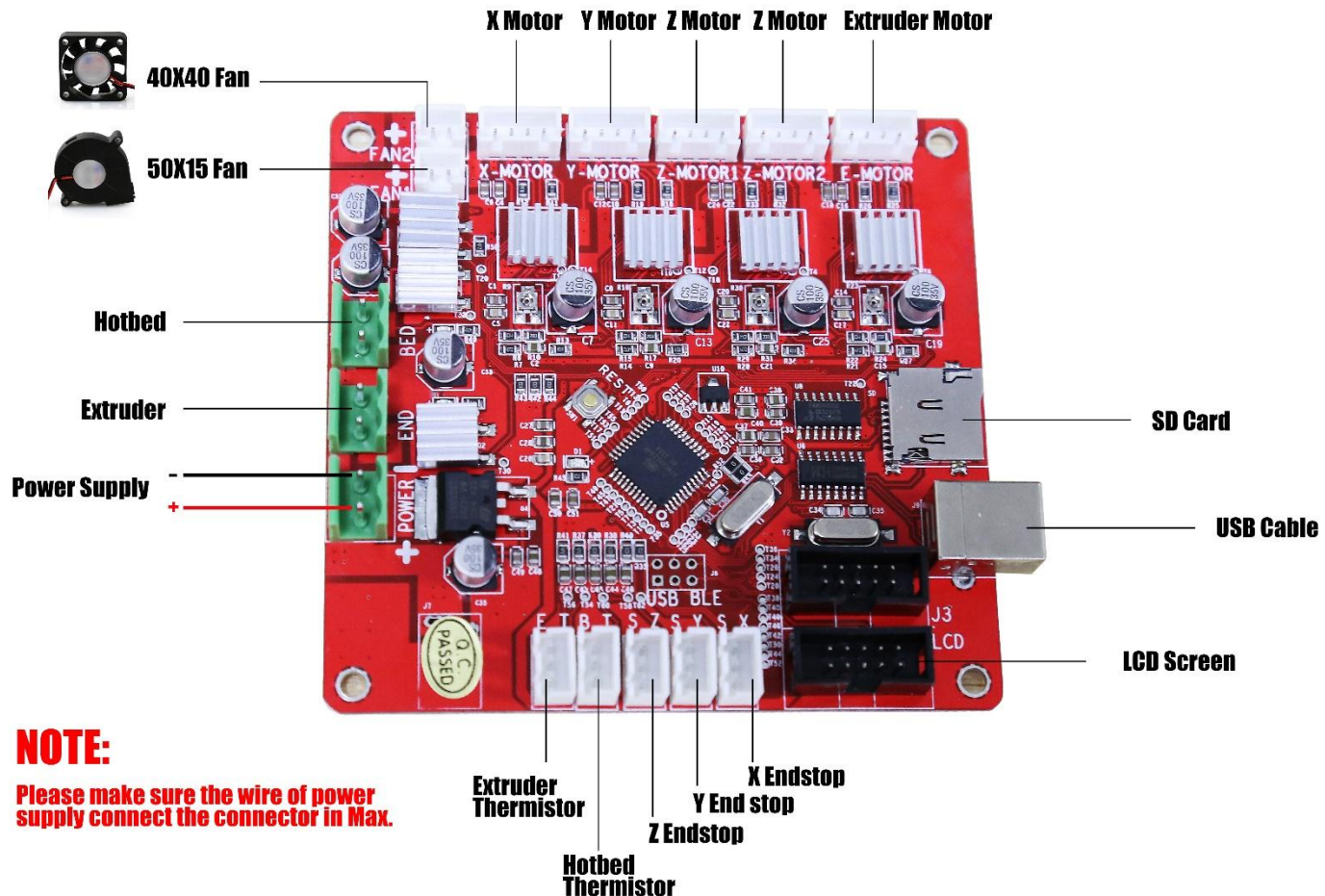
Length of Each Wire of A6

NO	Component	Lenth (mm)
1	X motor line	400
2	Y motor line	400
3	1500	400
4	Right Z motor line	900
5	Extruder motor line	900
6	X limited switch line	900
7	Y limited switch line	700
8	Z limited switch line	200
9	Heating pipe line	1000
10	Heating block thermistor	1100
11	Hotbed line	900
12	Screen line	500
13	Power line	700
14	Blower line	1100
15	Fan line	1100
16	X belt	1500
17	Y belt	1500

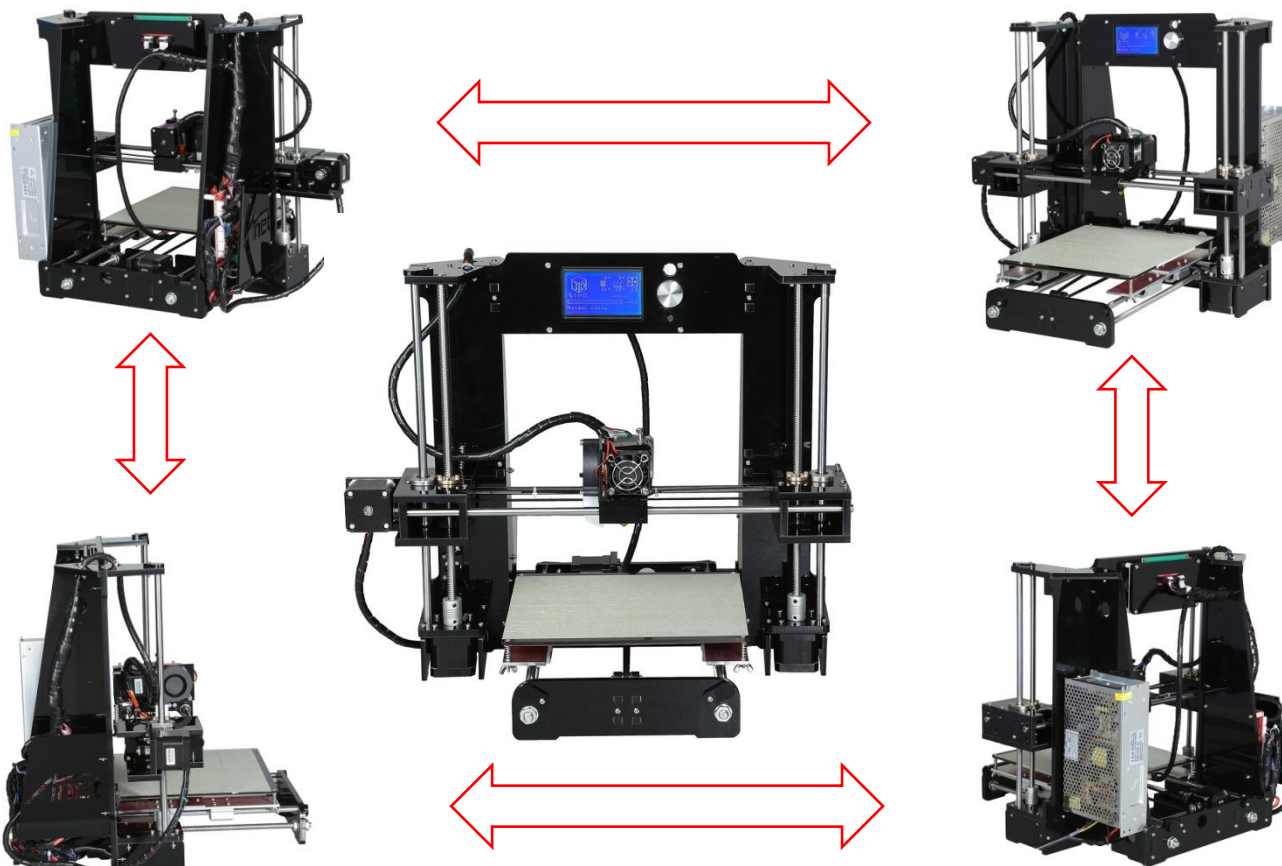
Please refer to the picture during connection.
Please ensure you the connection is right!!!

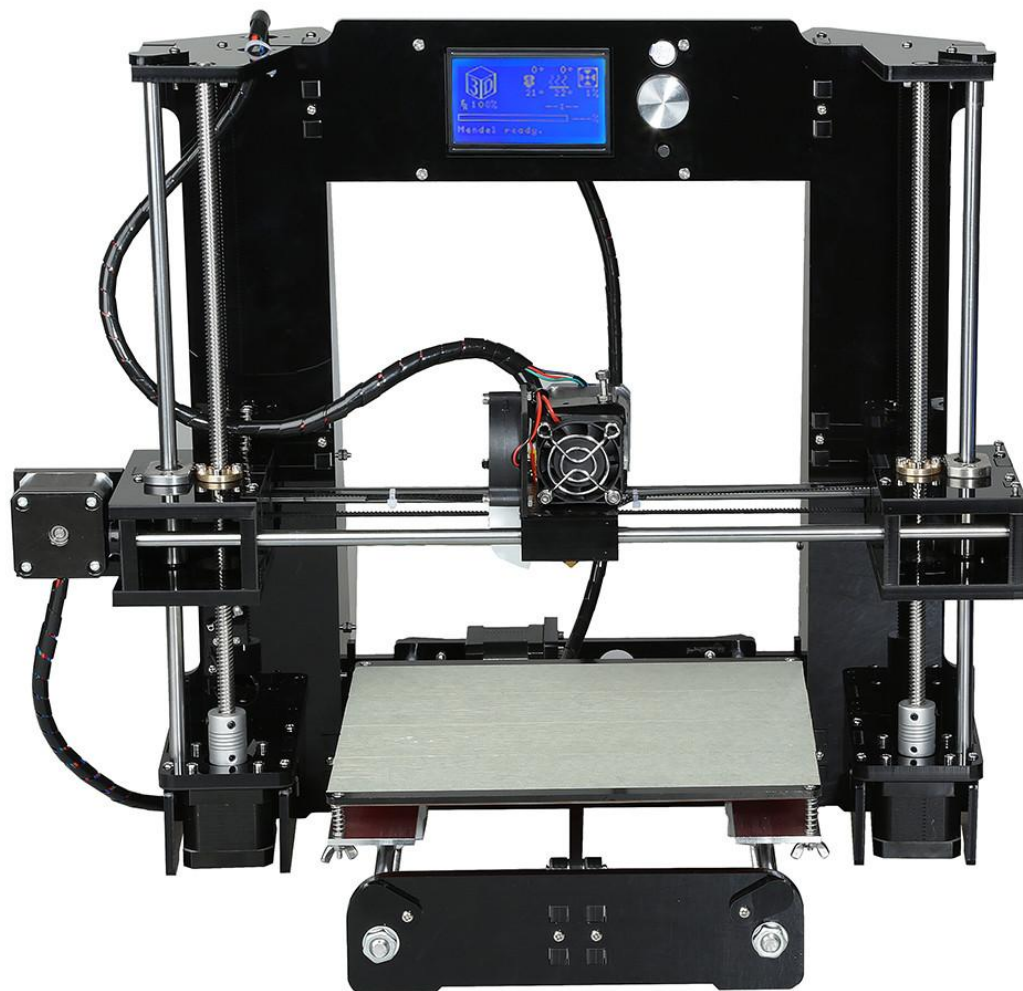


Attention: Please connect compenents with corresponding wires

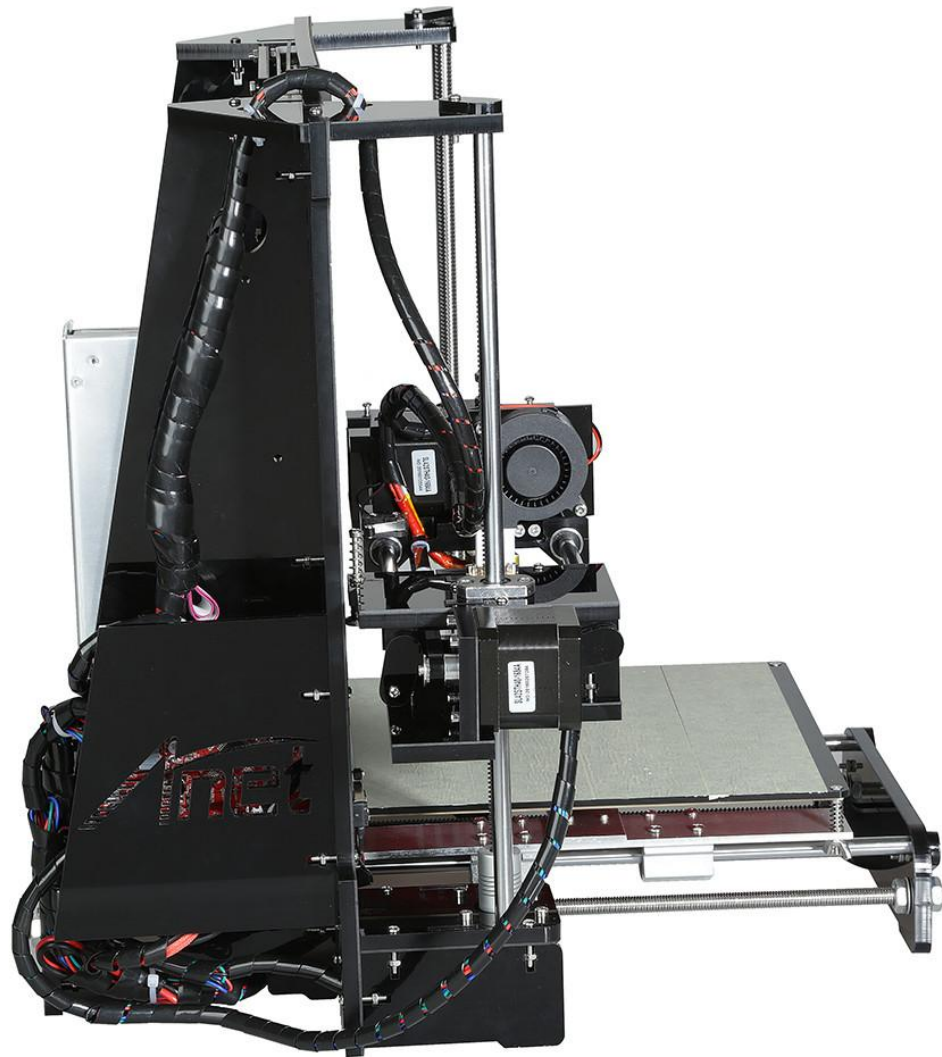


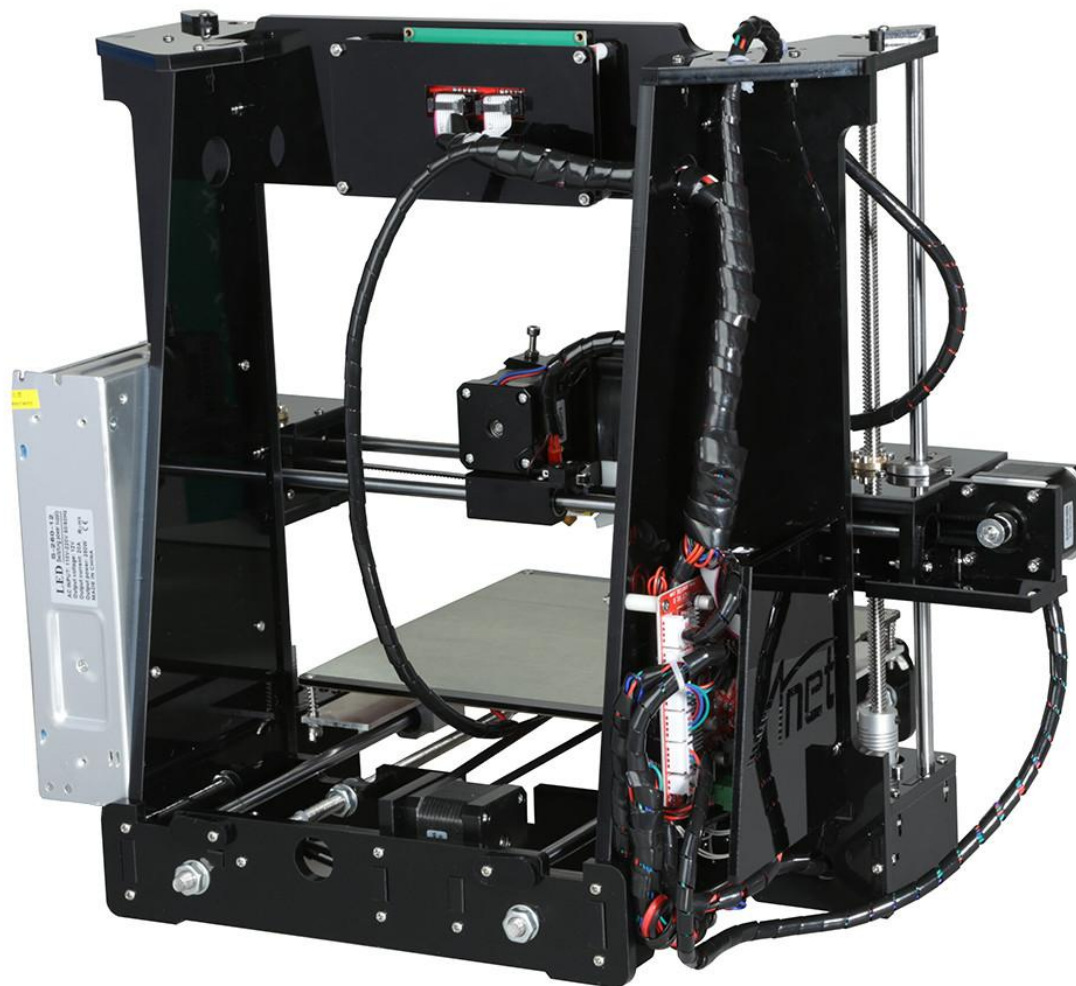
Printer Display

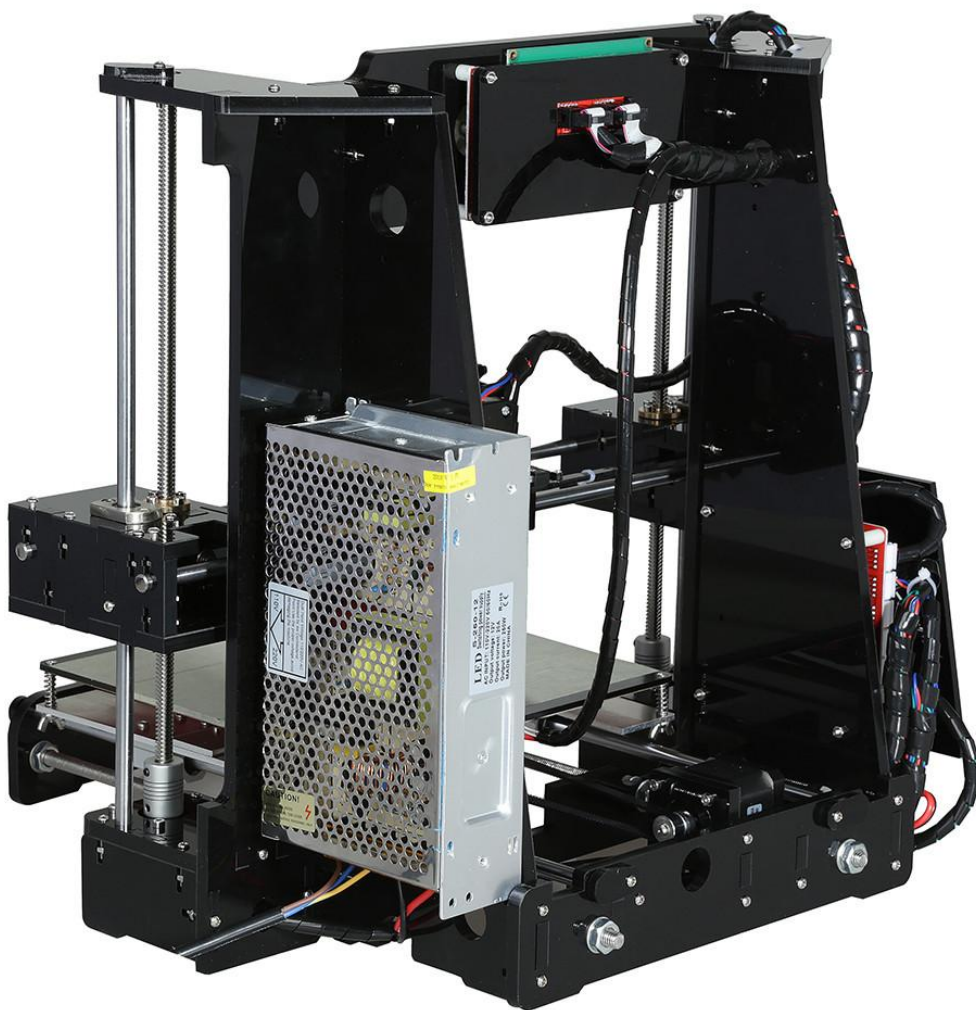












Installation Complete

Congratulations ! You have just made yourself a 3D printer !

Please contact your 3D printer supplier if any puzzles during using process.

Thank you for choosing our products, we will always provide you more services.